

FIG. 1a(1)

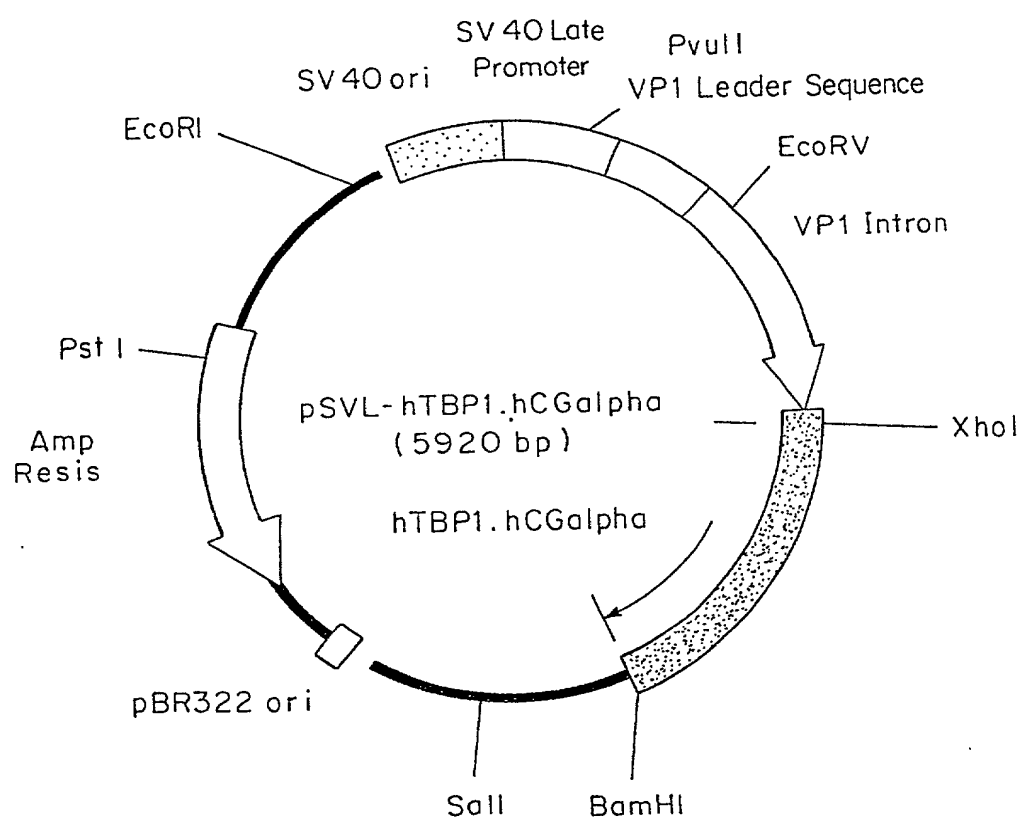


FIG. 1b(1)

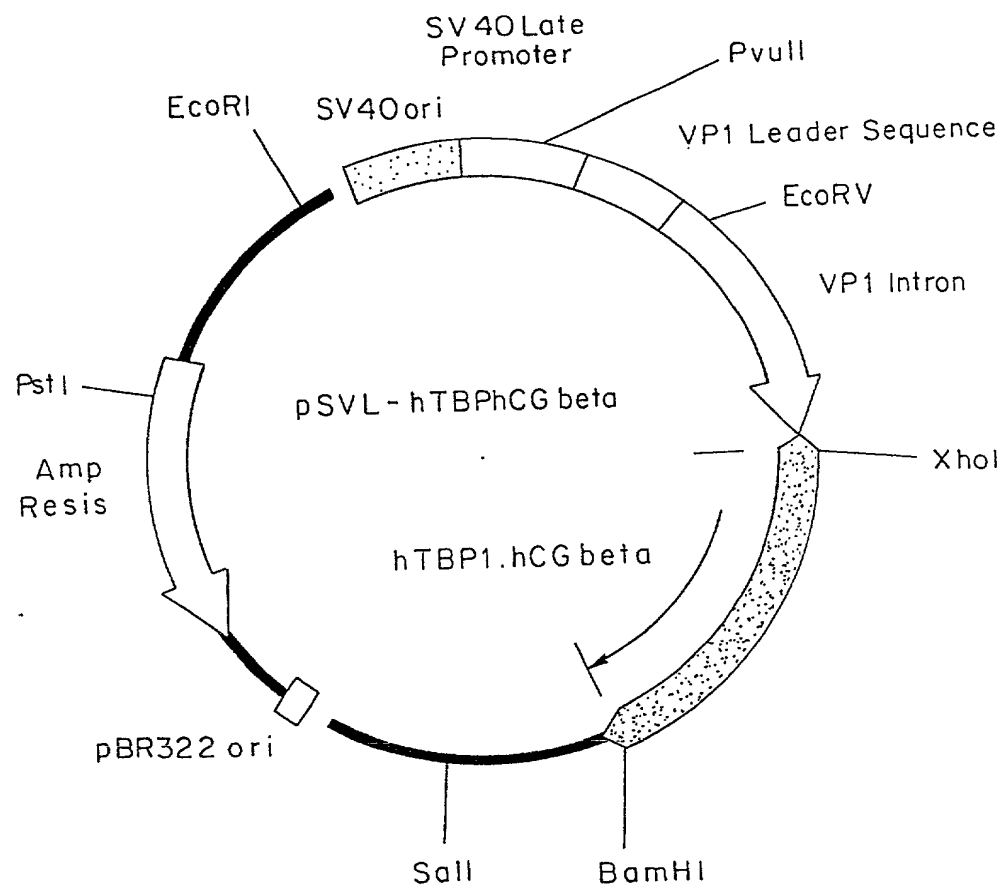


FIG. 2a(1)

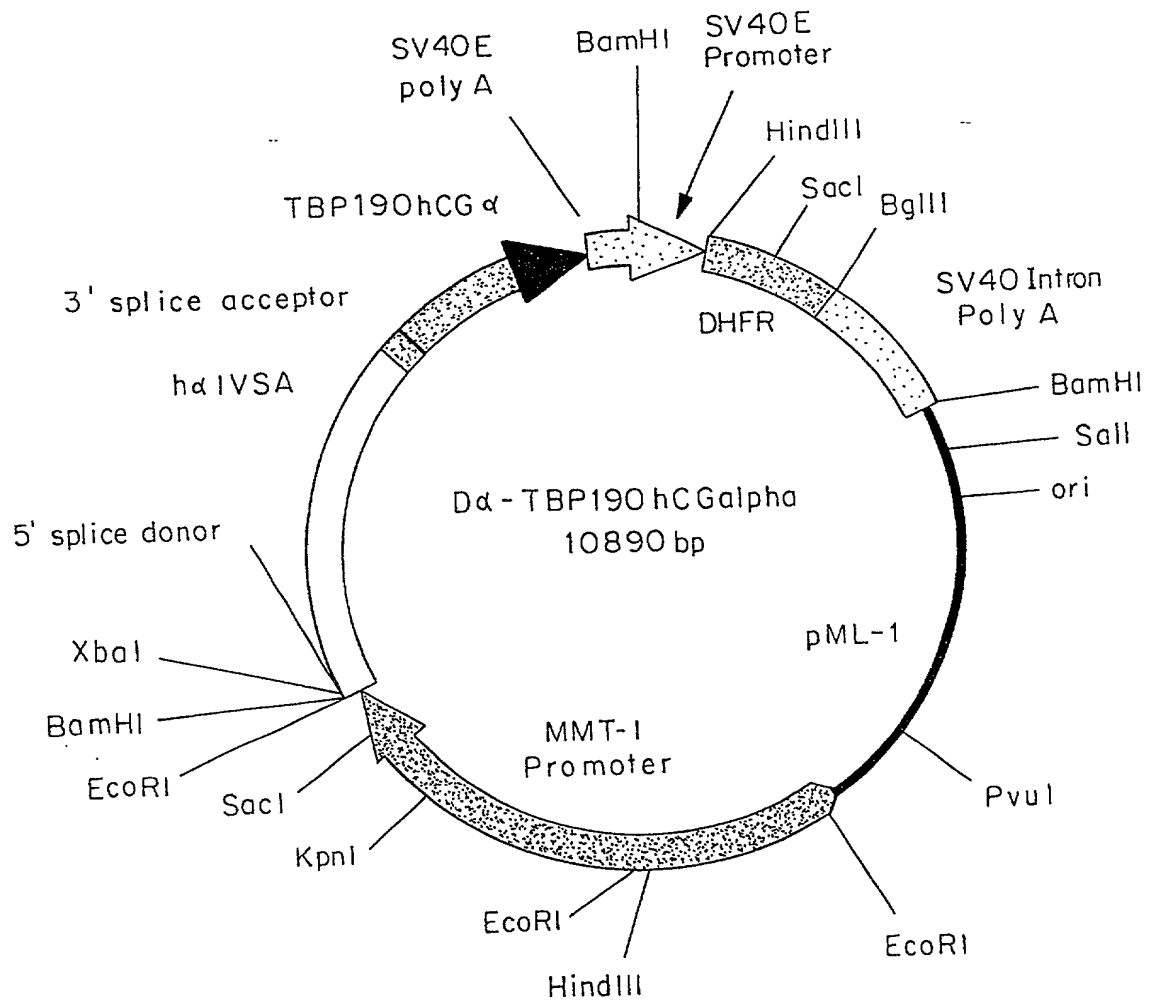


FIG. 2a(2)

Xhol hGH Signal Sequence hGH Intron
 TCGAG ATG GCT ACA G GTRAGCGCCCTAATAATCCCTTTGGGCACATGTGTCTAGGGGAGGACGACCTGTAGATGGGACGGGCGACATAACCTCAGGTTGGGGTTCT
 ▶ Met Ala Thr

GAATGTGAGTATCGCCATGTAAAGCCAGTATTGGCCAAATCTCAGAPAGCTCCTGTGCTCTGGAGGGATGGAGAGAGAAAAACACAGCTCCTGGAGCGGAGAGTGCTGGCCCTCTTGCTCTC
 CGGCTCCCTCTGTGGCCCTCTGGTTTCTCCCCAGGC TCC CGG ACG TCC CTG CTC CTG CCT TTT GGC CTG CTC TGC CTG CCC TGG CTT
 ▶ Ser Arg Thr Ser Leu Leu Ala Phe Gly Leu Leu Cys Leu Pro Trp Leu

+20 Asp of processed TBPI

CAA GAG GGC AGT GCC GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA
 ▶ Gln Glu Gly Ser Ala Asp Ser Val Cys Pro Gln gly Lys Tyr Ile His pro Gln Asn Ser Ile Cys Cys Thr Lys Cys His Lys Gly

ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC ACC GCT TCA GAA AAC CAC CTC
 ▶ Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu

AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC
 ▶ Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg Thr Val Cys Gly Cys

AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC AAT TTC CAG TGC TTC AAT TGC AGC CTC TGC ACC AAT GGG ACC GTG CAC CTC TCC TGC
 ▶ Arg Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys

CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG
 ▶ Gln Glu Lys Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Lys Ser Leu

Linker +7 Cys of hCG alpha
 GAG TGC ACG AAG TTG TGC CTA CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC ACA GCC GGT GGT GCC CCA GGT TGC CCA
 ▶ Glu Cys Thr Lys Leu Cys Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser Gly Thr Thr Ala Gly Ala pro Gly Cys Pro

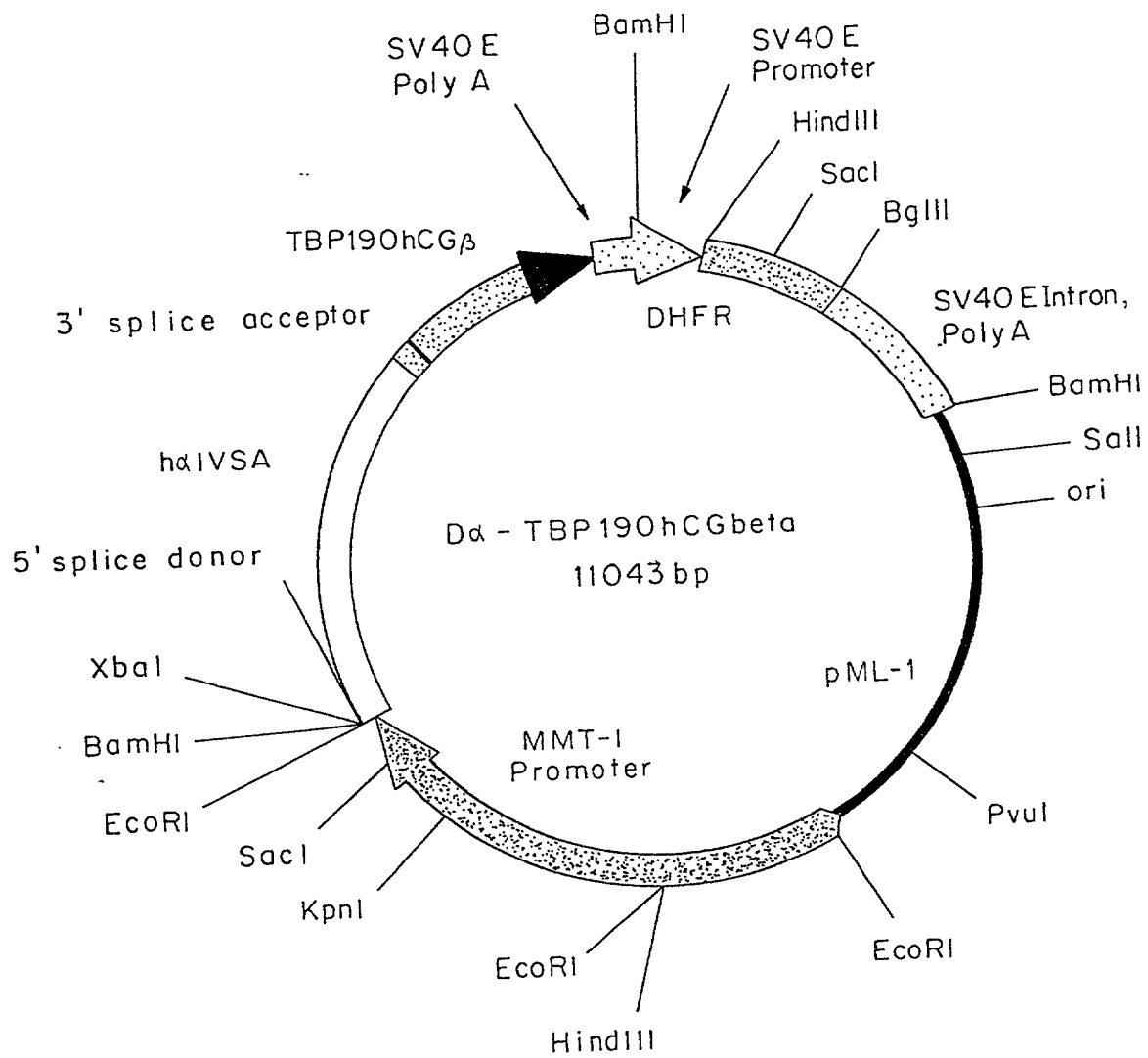
GAA TGC ACG CTA CAG GAA AAC CCA TTC TTC CCG GGT GCC CCA ATA CTT CAG TGC ATG GGC TGC TGC TTC TCT AGA GCA TAT CCC ACT
 ▶ Glu Cys Thr Leu Gln Glu Asn Pro Phe Ser Gln Pro Gly Ala Pro Ile Leu Gln Cys Met Gly Cys Cys Phe Ser Arg Ala Tyr Pro Thr

CCA CTA AGG TCC AAG AAG ACG ATG TTG GTC CAA AAG AAC GTC ACC TCA GAG TCC ACT TGC TGT GTA GCT AAA TCA TAT AAC AGG GTC ACA GTA
 ▶ Pro Leu Arg Ser Lys Lys Thr Met Leu Val Gln Lys Asn Val Thr Ser Glu Ser Thr Cys Cys Val Ala Lys Ser Tyr Asn Arg Val Thr Val

ATG GGG GGT TTC AAA GTG GAG AAC CAC ACG GCG TGC CAC TGC AGT ACT TGT TAT TAT CAC AAA TCT TAA GGATCCCTCGAG
 ▶ Met Gly Gly Phe Lys Val Glu Asn His Thr Ala Cys Ser Thr Cys Tyr Tyr His Lys Ser ***

Bam HI XhoI

FIG. 2b(1)



+7 Pro of beta

FIG. 3

p55 TNFR1, TBP1 and TBP1 FUSION CONSTRUCTS

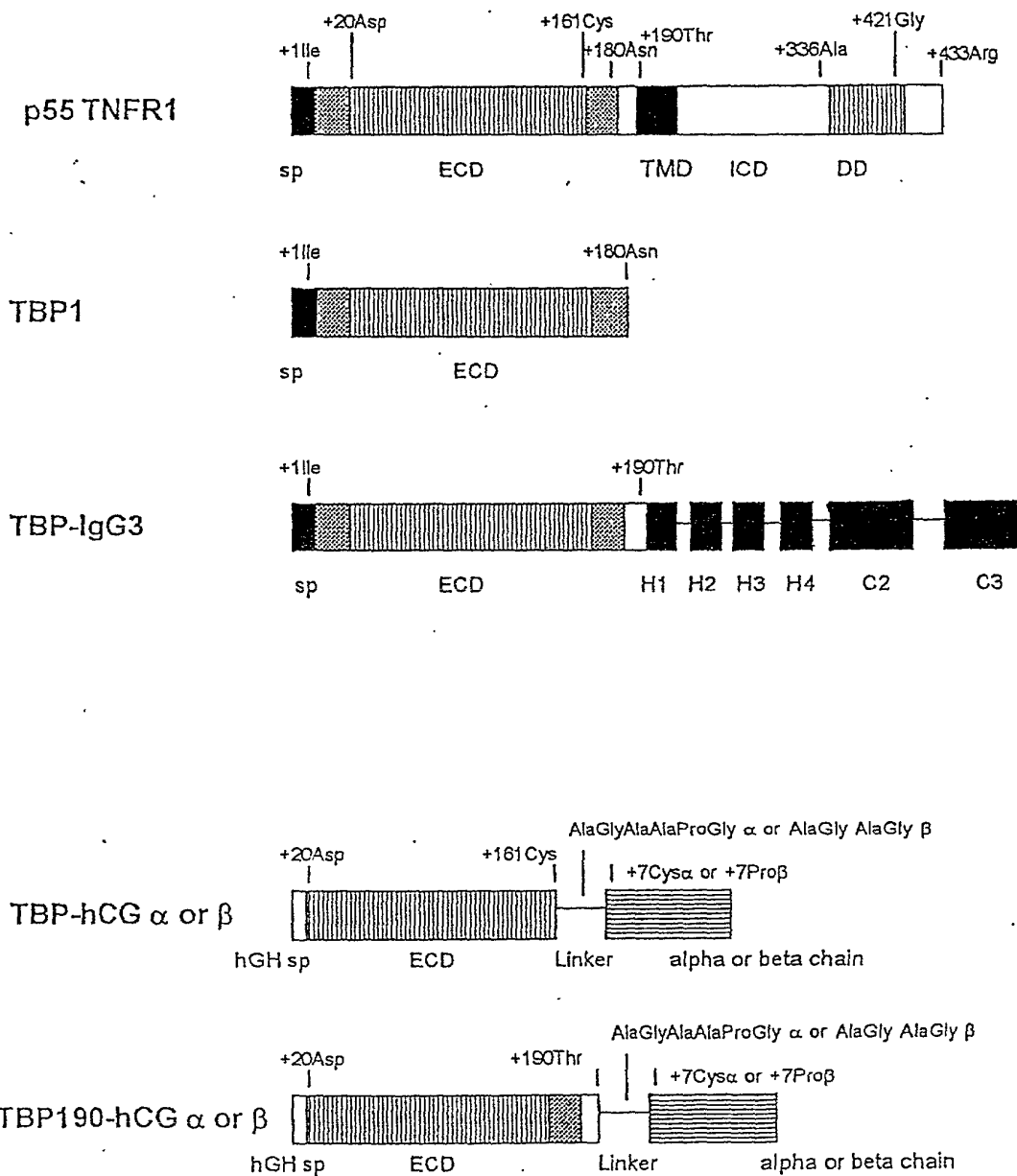
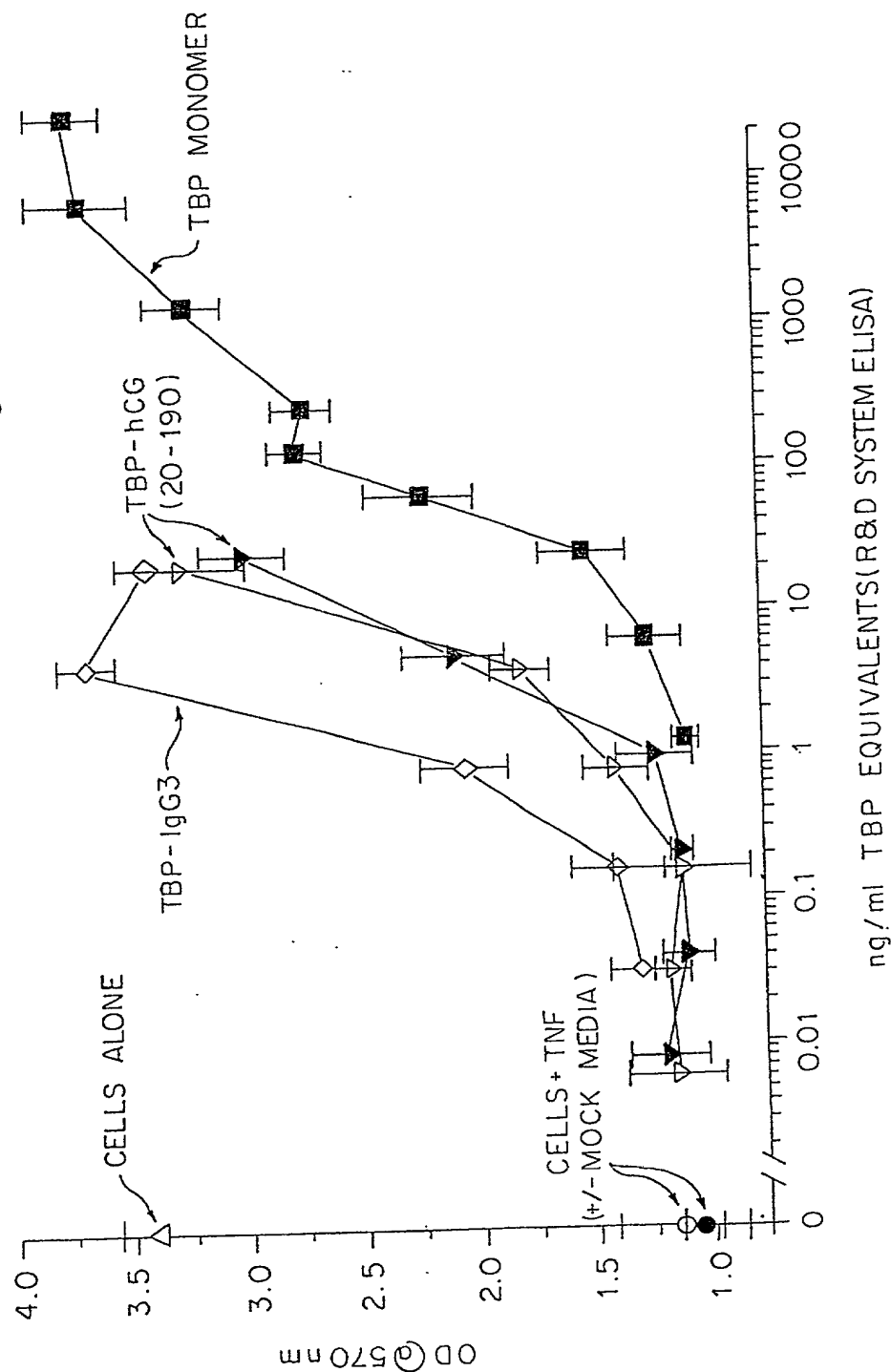


FIG. 4

- 10⁵ CELLS/WELL + 2.5ng/ml TNF α + TBP MONOMER
- △ CELLS ALONE
- 2.5 ng/ml TNF α (NO TBP)
- ◇— TBP-IgG3 CHO MED+ 2.5 ng/ml TNF α
- ▼— TBP-hCG (20-190) CHO MEDIA+ 2.5 ng/ml TNF α
- ▽— TBP-hCG (20-190) CHO MEDIA+ 2.5 ng/ml TNF α
- CELLS + CHO MOCK MEDIA + 2.5 ng/ml TNF α



- 10⁵ CELLS / WELL + 2.5 ng/ml TNF α + TBP MONOMER
- △ CELLS ALONE
- CELLS + 2.5ng/ml TNF α (NO TBP)
- ▼— CELLS + TBP-hCG(20-190) COS7 MED+2.5ng/ml TNF α
- CELLS + COS7 MOCK TRANSFECTANT MEDIA+2.5ng/ml TNF α

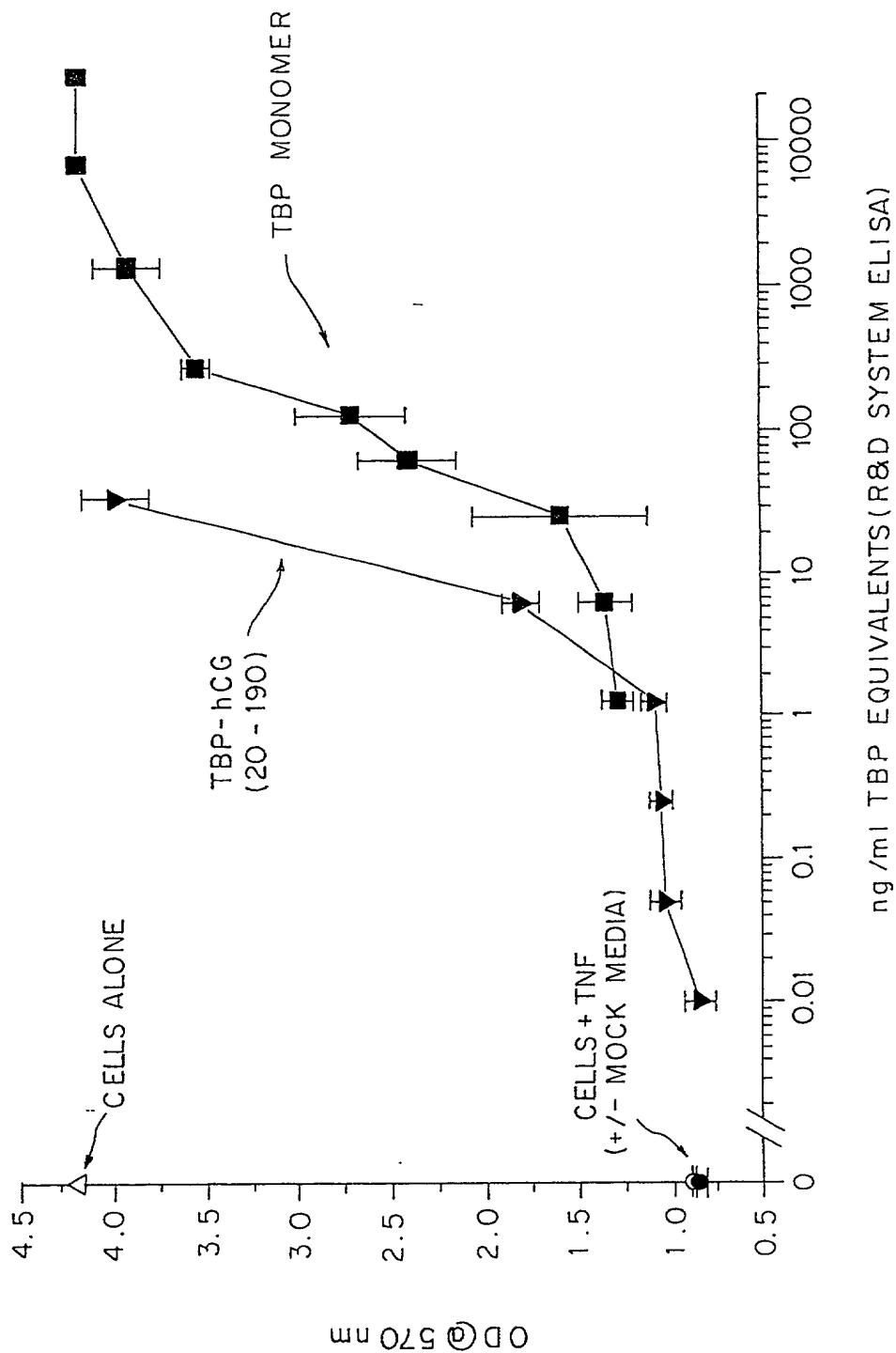


FIG. 6

- 10⁵ CELLS / WELL + 2.5 ng/ml TNF α + TBP MONOMER
- △ CELLS ALONE
- CELLS + 2.5 ng/ml TNF α (NO TBP)
- ▽— CELLS + PURIFIED TBP-hCG (20-161)

